

FORM PTO-1390  
(REV 5-93)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTORNEY DOCKET NUMBER  
107439-00132TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

DATE: April 7, 2005

U.S. APPLICATION NUMBER  
(IF KNOWN, SEE 37 C.F.R. 1.5)

107530657

INTERNATIONAL APPLICATION NUMBER  
PCT/JP03/012331INTERNATIONAL FILING DATE  
September 26, 2003PRIORITY DATE CLAIMED  
October 11, 2002

TITLE OF INVENTION: CYLINDER OPERATION CONTROL APPARATUS FOR INTERNAL COMBUSTION ENGINE

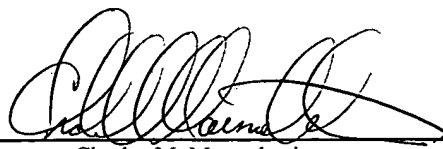
APPLICANT(S) FOR DO/EO/US: Tetsuya HASEBE (Utsunomiya-shi, Japan), Shigetaka KURODA (Utsunomiya-shi, Japan),  
Tetsu SUGIYAMA (Utsunomiya-shi, Japan)

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The U.S. has been elected (Article 31).
5. ☒ A copy of the International Application as filed [35 U.S.C. 371(c)(2)]
  - a. ☐ is attached hereto (required only if not transmitted by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application into English [35 U.S.C. 371(c)(2)].
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 [35 U.S.C. 371(c)(3)]
  - a. ☐ are attached hereto (required only if not transmitted by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 [35 U.S.C. 371(c)(3)].
9. ☒ An oath or declaration of the inventor(s) [35 U.S.C. 371(c)(4)].
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 [35 U.S.C. 371(c)(5)].

**Items 11 to 20 below concern other document(s) or information included:**

11. ☒ An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98, PTO/SB/08a and References (3).
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: Drawings (Figs. 1-9A-9B; 8 sheets); Copy of PCT Request (PCT/RO/101); Copy of International Search Report or the Declaration (PCT/ISA/220); Copy of International Search Report (PCT/ISA/210); Copy of Notification Concerning Submission or Transmittal of Priority Document (PCT/IB/304); Copy of PCT Demand (PCT/IPEA/401); Copy of Notice of Communication (PCT/IB/308); Copy of Written Opinion (PCT/IPEA/408); Copy of Notification of Receipt of Demand by Competent International Preliminary Examining Authority (PCT/IPEA/402); Copy of Notification of Transmittal of International Preliminary Examination Report (PCT/IPEA/416); Copy of the International Preliminary Examination Report (PCT/IPEA/409) and Copy of the International Publication No.: WO 2004/033862 A1

U.S. APPLICATION NUMBER (IF KNOWN, SEE 37 C.F.R. 1.530) <b>10/530657</b>		INTERNATIONAL APPLICATION NUMBER PCT/JP03/012331		ATTORNEY DOCKET NUMBER 107439-00132	
The following fees are submitted				CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic National Fee .....		\$300.00		\$ 300.00	
22. <input checked="" type="checkbox"/> Examination Fee If International Preliminary Examination Report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) .....		\$100.00		\$ 200.00	
All other situations .....		\$200.00			
23. <input checked="" type="checkbox"/> Search Fee Search Fee (37 CFR 1.445(a)(2)) has been paid on the International Application to the USPTO as an International Search Authority .....		\$100.00		\$ 400.00	
International Search Report prepared and provided to the Office .....		\$400.00			
All other situations .....		\$500.00			
TOTAL OF CALCULATIONS FOR 21, 22 AND 23				\$ 900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		Rate	
- 100 =	/ 50 =			X \$250.00	\$
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date [37 C.F.R. 1.492(e)].				\$	
Claims	Number Filed	Number Extra	Rate		
Total Claims	7 - 20 =	0	X \$ 50.00	\$ 00	
Independent Claims	2 - 3 =	0	X \$200.00	\$ 00	
Multiple dependent claim(s) (if applicable)			+ \$360.00	\$ 00	
TOTAL OF ABOVE CALCULATIONS =				\$ 00	
Reduction by one-half for filing by small entity, if applicable. Verified Small Entity statement must also be filed. (Note 37 C.F.R. 1.9, 1.27, 1.28).				\$	
SUBTOTAL =				\$ 900.00	
Processing fee of \$130.00 for furnishing the English translation later the <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date [37 C.F.R. 1.492(f)].				\$	
TOTAL NATIONAL FEE =				\$ 00	
Fee for recording the enclosed assignment [37 C.F.R. 1.21(h)]. The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property				\$ 40.00	
TOTAL FEES ENCLOSED =				\$ 940.00	
				Amount to be refunded	\$
				Charged	\$
a. <input checked="" type="checkbox"/> Check # _____ in the amount of \$940.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account Number 01-2300 in the amount of \$ _____ to cover the above fee. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees, which may be required, or credit any overpayment to Deposit Account Number 01-2300, referencing Attorney Docket Number _____. NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO: Customer Number 004372 ARENT FOX PLLC 1050 Connecticut Avenue, NW Suite 400 Washington, DC 20036-5339 Telephone: 202-857-6000 Fax: 202-638-4810					
			 Charles M. Marmelstein Registration Number 25,895		
CMM:cs					